

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/646,390
Source: IFWO
Date Processed by STIC: 8/20/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

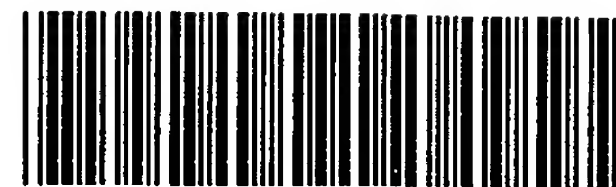
<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,
Room 1B03, Arlington, VA 22202



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/646,390

DATE: 08/20/2004

TIME: 11:05:57

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08202004\J646390.raw

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 4 SURANI, Azim
 6 <120> TITLE OF INVENTION: Genes
 8 <130> FILE REFERENCE: 674558-2002.1
 10 <140> CURRENT APPLICATION NUMBER: 10/646,390
 11 <141> CURRENT FILING DATE: 2003-08-21
 13 <150> PRIOR APPLICATION NUMBER: 10/621,911
 14 <151> PRIOR FILING DATE: 2003-07-17
 16 <150> PRIOR APPLICATION NUMBER: PCT/GB02/00215
 17 <151> PRIOR FILING DATE: 2002-01-18
 19 <150> PRIOR APPLICATION NUMBER: GB 0101300.2
 20 <151> PRIOR FILING DATE: 2001-01-18
 22 <160> NUMBER OF SEQ ID NOS: 26
 24 <170> SOFTWARE: SeqWin99, version 1.02

Does Not Comply
 Corrected Diskette Needed

(pg. 1, 4-7)

ERRORED SEQUENCES

98 <210> SEQ ID NO: 4
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 101 <213> ORGANISM: Mus musculus
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 111 35 40 45
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Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08202004\J646390.raw

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Output Set: N:\CRF4\08202004\J646390.raw

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/646,390

DATE: 08/20/2004

TIME: 11:05:57


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Output Set: N:\CRF4\08202004\J646390.raw

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405 tacttcttaa gtaatccctt taaaaataat gtcaggctgg agaaatggtt tcatgggtaa 540

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 please explain
 "N" locations.
 See
 error
 explanation
 on page 6.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/646,390

DATE: 08/20/2004

TIME: 11:05:57


Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08202004\J646390.raw

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E--> 432 ccagcacaca aacantaaa aagatagaaa taatgttagt gnttncatc gagcaagagt 2160
433 c 2161

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 PLEASE explain "N"
 locations. See error
 explanation on page 6.

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/646,390

DATE: 08/20/2004
TIME: 11:05:58

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08202004\J646390.raw

Use of n's or Xaa's (NEW RULES): *Error Explanation: ✓*
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:7; N Pos. 7471,7554,7608

Seq#:8; N Pos. 2115,2142,2143,2146

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/646,390

DATE: 08/20/2004

TIME: 11:05:58

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08202004\J646390.raw

L:132 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4 ✓
 L:386 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7 ✓
 L:387 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7 ✓
 L:388 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7 ✓
 L:432 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8 ✓